

# ILLINOIS ENVIRONMENTAL PROTECTION AGENC WATER POLLUTION CONTROL PERMIT



LOG NUMBERS: 4349-89

PERMIT NO.: 1989-EN-4349

FINAL PLANS, SPECIFICATIONS, APPLICATION

DATE ISSUED: November 16, 1989

AND SUPPORTING DOCUMENTS

PREPARED BY: Christopher Rubak, Environmental Management Dept.

SUBJECT: WASTE MANAGEMENT OF ILLINOIS, INC. LANDFILL -- Leachate Disposal -- (City of Kankakee Waste Treatment Plant)

PERMITTEE TO CONSTRUCT
Waste Management of Illinois, Inc.
Kankakee Landfill
Route 1 Box 372
Chebanse, Illinois 60922

Permit is hereby granted to the above designated permittee to construct water pollution control facilities described as follows:

Addition of gas condensate and gas condensate combined with leachate from Kankakee Landfill to be mixed with leachate only and hauled to Kankakee Waste Treatment Plant. Existing DAF of 25,000 GPD and 135,000 GPD DMF are unchanged.

The operation of this permit shall be governed by the City of Kankakee.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplement Permit.

SPECIAL CONDITION 1: Prior to the acceptance of gas condensate and gas condensate with leachate, the Kankakee Metropolitan Wastewater Utility shall receive authorization from the IEPA, Division of Land Pollution Control, in accordance with 35 IAC, Section 809, Solid Waste and Special Waste Hauling.

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM: EK: jk/3890k,57

cc: EPA - Region 2 Christopher Rubak

John McDonnell

Kankakee Metropolitan Wastewater

Treatment Utility

Record ··· Binds DIVISION OF WATER POLLUTION CONTROL

Thomas G. McSwiggin, P.A. Manager, Permit Section

# READ ALL CONDITIONS CAREFULLY: STANDARD CONDITIONS

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

- Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.
- The construction or development of facilities covered by this
  permit shall be done in compliance with applicable provisions
  of Federal laws and regulations, the Illinois Environmental
  Protection Act, and Rules and Regulations adopted by the
  Illinois Pollution Control Board.
- There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
- 4. The permittee shall allow any agent duly authorized by the Agency upon the presentation of credentials:
  - to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit.
  - to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit.
  - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintified under this permit.
  - d to obtain and remove at reasonable times samples of any discharge or emission of pollutants
  - n to enter at reasonable times and utilize any photographic,

recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.

- 5. The issuance of this permit:
  - shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
  - does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
  - does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
  - d. does not take into consideration or attest to the structural stability of any units or parts of the project;...
  - in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
- Unless a joint construction/operation permit has been issued.
   a permit for operating shall be obtained from the Agency before the facility or equipment covered by this permit is placed into operation.
- These standard conditions shall prevail unless imodified by special conditions.
- 8. The Agency may file a complaint with the Board for suspension or revocation of a permit:
  - a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed; or
  - upon finding that any standard or special conditions have been violated; or
  - upon any violation of the Environmental Protection Act or any Rule or Regulation effective thereunder as a result of the construction or development authorized by this permit

DHPC CROPA FACT SHEET AND MEMORANDER ECEIVED OCT 0 4 89 October 3,1989 DATE: Sweitzer TO: DAPC IEPA-DAPC-SPELE DLPC arty Easte DPWS Sutton Ed Kane FROM: DWPC CONTACT PERSON **SUBJECT:** Candidate for Coordinated Permit Review Waste Nanagement of Thinois Inc Lundfill - 138th Columet Express way Project Location or Site Name of Project On 9129189, Christopher Rubak (called/submitted application) which indicated they would be a potential candidate for a coordinated permit review for this project. A basic description of the project is as follows: >10,000 P.E...., Contains Toxics...... Source of Waste = APC Device..... Storage of Haz. or Toxic Wastes..... LPC Facility..... PWS Facility.... Facility Treats Haz. or Toxic Hastes.... Sludge Produced... other Permits may be required... NOTE: PLEASE RESPOND BY 10147/89. COMMENTS: Applicant seeks construction permit to allow change in waste being hauled to Kankakee WWTP. Landfill yas condensate and gas condensate are additional components which applicant wishes to leachate only, allowed in existing permit. govern operation

TO: Ed Kane	DHPC	20302 Sect 10/10/8
RECEIVED Pat Dennis	DACCONTACT PERSON 5-1	716 Tel #
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(1) A permit Is Needed/Has Been Issued/Is Not Required

Environmental Protection Agency (2) Project is Significant/Not Significant

Environmental Protect of Project 15 Significant/Nor Significant

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BL:bv/sp/3118C/1 (Revised 12/86)

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#### **MEMORANDUM**

DATE:

October 31, 1989

T0:

Ed Kane, DWPC

FROM:

Kenn Smith, DLPC

SUBJECT:

091055023 -- Kankakee County

Kankakee Metropolitan Wastewater Utility

State Permit File

Acceptance of landfill gas condensate and gas condensate with

leachate from Kankakee Sanitary Landfill.

#### Special Condition:

Prior to the acceptance of gas condensate and gas condensate with leachate, the Kankakee Metropolitan Wastewater Utility shall receive authorization from the IEPA, Division of Land Pollution Control, in accordance with 35 IAC, Section 809, Solid Waste and Special Waste Hauling.

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Permit Section Illinois
State of Illinois
BL:bv/sp/3118C/1
(Revised 12/86)

# REQUEST FOR COMMENTS ON A PENDING PERMIT APPLICATION

Date: Cctober 3, 1989	
To: Ted Denning, Manager, DWPC/FOS 2 Region	
From: Ed Kane, Inudstrial Unit, Permit Section/DWPC	
Subject: Waste Management of Illinois, Inc. Landfill  P.O. Box 130ki 138th + Calumet Expression Calumet City, Illinois 60409	
State Construction/Operating Permit Application	
On September 29, 1989 the Permit Section received an application of the above facility. A brief description of the project is as follows; Applicant seeks construction permit to allow change in waste to Kankakee wwTP. Landfill gas condensate and gas condensate mixed are additional components which applicant wishes to include with	being with he the lea
only, allowed in existing permit. No additional volume. Kar Will govern operation.	<u>ik</u> akee
If you have any questions or concerns regarding the project, please contact me within 10 days at 217/782-1696.  TRK:rmi/1388g/81	
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cc: Permit Section

This Agency is sushorized to require this information under Birrois Revised Statutus, 1979, Chapter 111 1-2, Section 1039. Disclosure of this information is required under that Section, Failure to do so may prevent this farm from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.



#### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL PERMIT SECTION

Springfield, Illinois 62706

SEP 29 1989

# APPLICATION FOR PERMIT OR CONSTRUCTION APPROVALEnvironmental Protection Agency MDC

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Support Township: Kankakee  County: Kankakee  REF DESCRIPTION OF PROJECT: Amend Permit #1986-EE-0306 to include disposal gas condensate and gas condensate combined with leachate from Kank Landfill to Kankakee Metropolitan Wastewater Utility.  DOCUMENTS BEING SUBMITTED: If the project involves any of the items listed below, submit the corresponding schedule, and check the proportiate spaces.  REGISCO  This project involves any of the items listed below, submit the corresponding schedule, and check the proportiate spaces.  REGISCO  This project involves any of the items listed below, submit the corresponding schedule, and check the proportiate spaces.  REGISCO  This project involves any of the items listed below, submit the corresponding schedule, and check the proportiate spaces.  REGISCO  This project involves any of the items listed below, submit the corresponding schedule, and check the proportiate spaces.  A Spray Irrigation  H  Unlike Sewer Extension  B Septic Tanks  I construct Only control of the project industrial Treatment or Pretreatment  J covered Extension Construct Only  Construct only project indeptified in item number 1 herein, for which a permit is requested, to be constructed on land which is the subcord a treat?  AND TRISTS is the project indeptified in item number 1 herein, for which a permit is requested, to be constructed on land which is the subcord. Items and ber 6.1.1 herein must be signed by a beneficiary, trustee or trust officer, and a trust disclosure must be submitted (see instructions, items)  A Joint Construction And Operating Permit — Amend and Fenew permit #1986-EE-0306  RAUBERT DESCRIPTION AND APPROVAL:  A Joint Construction And Operating Permit — Amend and Fenew permit #1986-EE-0306  RAUBERT DESCRIPTION AND APPROVAL:  Constructed by Perigs Engineer hereby certify that I am familiar with the information contained in this application, including the stached echedulos inffered above, and as to the best of my knowledge and belief such information is true, complete and accurate. The	NAME AND LOCATION:			
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ther Documents (Please Specify)  N/A  THIS IS AN APPLICATION FOR (CHECK):  X A Joint Construction And Operating Permit — Amend and renew permit #1986-EE-0306 B. Authorization To Construct (See Instructions) NPDES Permit No. IL.00 Issue Date C. Construct Colly Permit (Does Not Include Coperations) D. Operate Only Permit (Does Not Include Constructions)  ERTIFICATIONS AND APPROVAL:  1. Certificate by Design Engineer hereby certify that I am familiar with the information contained in this application, including the attached schedules indicated above, and hat to the best of my knowledge and belief such information is true, complete and accurate. The plans and specifications other han Standard Specifications or local specifications on file with this Agencyl as described above were prepared by me or under my direction.  INGINEER John McDonnell 062-040-123  NAME REGISTRATION NUMBER SRAI.  INDIRESS: 2 Westbrook Corp. Center, Suite 1000  Westchester, IL (0153 Collections)  Westchester, IL (0153 Collections)  Westchester, IL (0153 Collections)  Minimum Manual	Plans: Title N/A	<del></del>	·	<del></del>
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vice Presi	ident		<del></del>
Attested (Units of Governm	nent) N/A		
\TE	SIGNATURE	TITLE	
		DISTRICT CLERK, ETC	AGE CLERK, SANITARY D)
	mental applicants which are not signed by the not or his duly authorized representative.	ne owner, must be signed by a prin	cipal executive officer of a
CERTIFICATE BY INTERN	MEDIATE SEWER OWNER	-	
ereby certify that (Please check	t one):		
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This Agency is authorized to require this information under Minois Revised Statutes, 1979, Chapter 11.1.1/2, Section 1039 Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

1. Name of Project

4349-89 **RECEIVED** 

SEP 29 1989

#### ILLINDIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL PERMIT SECTION Springfield, Illinois 62706

Kankakee Sanitary Landfill Condensate & Leachate Disposal

# Environmental Protection Agency WPC—Permit Log In

#### SCHEDULE N WASTE CHARACTERISTICS

FLOW DATA (condensate/lea 2.1 Average Flow (gpd)	chate combo	<del></del>	PROPOSED-DESTON 5,000
2.2 Maximum Daily Flow (gpd)	25,000		5,000
2.3 TEMPERATURE			<u> </u>
		k, Intake Max. Effl mp. F Temp. F	Max. Temp. Out- uent side Mixing Zone F
SIMER 60	72	65 80	N/A
WINTER 35	50	45 65	N/A
2.4 Minimum 7-day, 10-year flow: N/A	cfs	MCD.	
2.5 Dilution Ratio: N/A;			
2.6 Stream flow rate at time of sampling	N/Acfs	MCD.	X
CHEMICAL CONSTITUENT Existing Permitted Cond Type of sample:grab (time of collection_ (see instructions for analyses required)			
Constituent	RAW WASTE (mg/1)	TREATED EFFLUENT Avg. (mg/1) Max.	UPSTREAM DOWNSTREAM SAMPLES (mg/1) (mg/1)
Ammonia Nitrogen (asN)	Not Applicable	990	Not Applicable
Arsenic (total)		0.021	
Sarium .		0.78	
Boron		100	
8005		610	
Cadmium		0.016	
Carbon Chloroform Extract	1		
Chloride		140	
Chromium (total hexavalent)	:	< 0.040	
Chromium (total tribalent)		< 0.040	
Copper		0.11	
Cyanide (total)		<0.020	
Cyanide (readily released #150°F & pH 4.	5)	<0.010	
Dissolved Oxygen		< 2.0	
Fecal Coliform	γ	5400	V

	RAW WASTE	TREATED EFFLUENT AVE. (Mg/1) Max.	UPSTREAM (mg/1)	DOWNSTREAM SAMPLES
Fluoride	not applicable	1.9	not applicabl	e <sup>noț</sup> applicable
Hardness (as Ca (03)		1110		
Iron (total)		83.1		
Lead		0.24		,
Manganese		2.1		
NBAS				
Mercury		< 0.0005		
Nickel		0.75		
Nitrates (asN)		< 0.050		
Oil & Grease (hexame solubles or equivalents)		37		!
Organic Nitrogen (as N)		18.1		<u> </u>
pH		7.0		
Phenols		3.0		
Phosphorous (as P)		4.0		
Radioactivity		See Attached		
Selenium		< 0.008		
Silver		< 0.030		
Sul fate		1970		
Suspended Solids				
Total Dissolved Solids		11000		
Zinc		2.2		
Others			V	
volatile organic compounds				
see attached				



GULF COAST LABORATORIES, INC. 2417 Bond St., University Park, Illinois 60466 Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

The following is a list of flags that Gulf Coast Laboratories frequently uses on our analytical reports. All flags may not be applicable for the enclosed reports.

- A Indicates a condensation product
- B Indicates the compound was found in the blank as well as the sample.
- C Pesticide compound confirmed by GC/MS
- d Result is on a dry weight basis
- D Indicates the compound was identified in an analysis at a secondary dilution factor. If a sample is re-analyzed at a higher dilution, the "DL" suffix is appended to sample numbers.
- Concentrations exceed calibration range of the instrument for that specific analysis.
- E Severe matrix interference
- J Indicates an estimated value which is below detection limit
- P Peaks present but do not appear to be PCBs
- R Spike recovery not within control limit
- S Indicates value determined by Method of Standard Addition
- U Indicates compound was analyzed for but not detected
- W Result is on an "as is basis" (wet weight)
- X Result by calculation.
- BDL Below Detection Limit
- NA Not Applicable
- NR Not Required
- \* Duplicate not within control limits
- + Correlation coefficient for MSA < 0.995
- Oue to matrix interference, post analytical spike is out of control limits.



WESTON-GULF AST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: Waste Management

Kankakee Landfill 1300 Willow road Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: June 30, 1989

Re: Gas Condens. Leach

Project # 3306-01-05-0005

Lab ID: 8906G843-002

Sample Date: 06/02/89 Date Recieved: 06/02/89

Date Recleved: 0

Inorganic Data Report

	inorganic baca ke	spor c	
Parameters	Result	Units	Reporting Limit
Gross Alpha	85 +/- 46	pCi/l	18
Gross Beta	774 +/- 76	pCi/l	16
-			
	<u> </u>		
	-		



WESTON-GULF L AST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 30th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005

Lab ID: 8906G843-002 Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

	Detection			
Volatile Compound	Result	Limit	Flag	
Chloromethane	BDL	10	U	
Bromomethane	BDL	10	U	
Vinyl Chloride	15	10		
Chloroethane	BDL	10	U	
Methylene Chloride	21	5		
Acetone	E	10		
1,1-Dichloroethene	BDL	5	U	
1,1-Dichloroethane	BOL	5	U	
1,2-Dichloroethene (total)	82	5		~
Chloroform	BDL	5	U	
1,2-Dichloroethane	BDL	5	U	
1,1,1-Trichloroethane	BDL	5	U	
Carbon Tetrachloride	BDL	5	U	
Bromodichloromethane	BDL	5	U	
1,2-Dichloropropane	3	5	J	
cis-1,3-Dichloropropene	BDL	5	U	
Trichloroethene	13	5		



WESTON-GULF ST LABORATION FOR A COMMENT

2417 Bond St., University Park, Jihnois 50466

Phones: (312) 534-5200 | 219 385 7077 | 317 712 7527

ANALYTIAL BEE ET

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 30th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

	Volatile Compound	Result	Detection Limit	r Flag	
	Dibromochloromethane	BDL	5	U	
	1,1,2-Trichloroethane	BDL	5	U	
	Benzene	BDL	5	U	
	Trans-1,3-Dichloropropene	BDL	5	U	
	Bromoform	BDL	5	<u>U</u>	
	Tetrachloroethene	3	5	J	
	1,1,2,2-Tetrachloroethane	BDL	5	U	= = =
_	Toluene	220	5		
	Chlorobenzene	BDL	5	U	
	Ethylbenzene	76	5		
	Xylene (total)	200	5		
	Acrolein	BDL	500	U	
	Acrylonitrile	BDL	100	U	
	Dichlorodifluoromethane	BDL	20	U	
	Trichlorofluoromethane	BDL	10	U	
	Bis(chloromethyl)ether	BDL	20	U	·
	2-Chloroethylvinylether	BDL	10	U	
· · · · · · · · · · · · · · · · · · ·		·			



WESTON-GULF ST LABORATORIES NO

2417 Bond St., University Park, Illinois 50456 Phones: (312) 534-5200 | 219-885-1017 | 419-121-171

Attack to the company of the

To: Waste Management Kankakee Landfill 1300 Willow Road Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 30th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: 8906G843-002 Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

			Detection			
	Volatile	Compound	Result	Limit	Flag	
	2-Butanone (ME	K)	E			
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 WESTON-GULF
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 2417 Bond St. University Park. (Binding 62466)
 Phones: (312, 534-5200)
 214, 155, 117, 117

ANAS TOAS REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 30th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

#### Tentatively Identified Compounds

8 Volatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

 	Retention	Estimated		
Volatile Compound	Time	Concentration		
 Tetrahydrofuran	10.73	100	J	
2-Butanone	12.66	1000	J	
 2-Butanol	13.43	200	J	
2-Pentanone	17.53	200	J	
4-Methyl-2-Pentanone	20.85	500	J	
 Unknown	21.74	200	J	
 Unknown	30.49	200	J	
Unknown	33.51	100	J	



WESTON-GULF ST LABORATOR(ET NO

2417 Bond St., University Park, illinois 80466 Phones: (312) 534-5200 | 212-385-7377 | 815-73 | 153

45/41/7 741 988/97

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 30th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002 DL** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

	Detection			
Volatile Compound	Result	Detection Limit	Flag	
Acetone	5500	2000	В	
	<del>.</del>			



WESTON-GULF ST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL PERCET

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 30th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002 DL** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

Volatile Compound	Result	Detection Limit	Flag
2-Butanone (MEK)	6100	2000	



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ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

Semivolatile Compound	Result	Detection Limit	Flag	
 Phenol	63	100	J	
 		100		
 bis(2-Chloroethyl)ether	BDL	100	U	
 2-Chlorophenol	BDL	100	U	
 1,3-Dichlorobenzene	BDL	100	U	
1,4-Dichlorobenzene	BDL	100	U	
 1,2-Dichlorobenzene	BDL	100	U	
bis(2-Chloroisopropyl)ether	BDL	100	U	
 N-Nitroso-Di-n-propylamine	BDL	100	U	
 Hexachloroethane	BDL	100	U	
 Nitrobenzene	BDL	100	U	
Isophorone	84	100	J	
2-Nitrophenol	BDL	100	U	
2,4-Dimethylphenol	BDL	100	U	
 bis(2-Chloroethoxy)methane	BDL	100	U	
2,4-Dichlorophenol	BDL	100	U	
1,2,4-Trichlorobenzene	BDL	100	U	
Naphthalene	19	100	J	
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ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: 8906G843-002 Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

Semivolatile Compound	Result	Detection Limit	Flag
 Hexachlorobutadiene	BDL	100	U
4-Chloro-3-methylphenol	BDL	100	υ
 Hexachlorocyclopentadiene	BDL	100	U
 2,4,6-Trichlorophenol	BDL	100	V
2-Chloronaphthalene	BDL	100	V
Dimethylphthalate	BDL	100	U
Acenaphthylene	BDL	100	V
2,6-Dinitrotoluene	BDL	100	V
Acenaphthene	BDL	100	V
 2,4-Dinitrophenol	BDL	500	V
4-Nitrophenol	BDL	500	V
2,4-Dinitrotoluene	BDL	100	U
Diethylphthalate	BDL	100	V
4-Chlorophenyl-phenylether	BDL	100	V
Fluorene	BDL	100	V
4,6-Dinitro-2-methylphenol	BDL	500	U
 N-Nitrosodiphenylamine (1)	BDL	100	U



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ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

	Semivolatile Compound	Result	Detection Limit	Flag
4-6	Bromophenyl-phenylether	BDL	100	U
Нех	achlorobenzene	BDL	100	U
Per	ntachlorophenol	BDL	500	U
Phe	enanthrene	BDL	100	U
Ant	hracene	BDL	100	U
Di-	n-Butylphthalate	BDL	100	U
F1ı	oranthene	BDL	100	U
Руг	ene	BDL	100	U
But	ylbenzylphthalate	BDL	100	U
3,3	'-Dichlorobenzidine	BDL	200	U
Ber	zo(a)anthracene	BDL	100	U
Chr	ysene	BDL	100	U
bis	(2-Ethylhexyl)phthalate	59	100	JB
Di-	n-Octyl phthalate	BDL	100	U
Ber	zo(b)fluoranthene	BDL	100	U
Ber	zo(k)fluoranthene	BDL	100	U
Ber	zo(a)pyrene	BDL	100	U



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ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

		Detection					
	Semivolatile Compound	Result	Limit	Flag			
	Indeno(1,2,3-cd)pyrene	BDL	100	U			
	Dibenzo(a,h)anthracene	BDL	100	U			
_	Benzo(g,h,i)perylene	BDL	100	U			
	1,2-Diphenylhydrazine	BDL	100	บ			
	N-Nitrosodimethylamine	BDL	100	U			
	Benzidine	BDL	1000	U			
-							



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ANALYTICAL REPORT

To: Waste Management
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1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

#### Tentatively Identified Compounds

20 Semivolatile Compounds greater than 10% of the nearest internal standard were tentatively identified by mass spectral library search. This is exclusive of any target compounds, surrogates or internal standards.

		Retention	Estimated	
	Semivolatile Compound	Time	Concentration	
	Unknown	4.39	400 J	
	Unknown	4.71	1000 J	
	UNKNOWN ACID	6.42	2000 J	
	Unknown	9.21	2000 J	
	Unknown	11.56	900 J	
	UNKNOWN ACID	11.84	8000 J	
	Unknown	12.15	300 J	
	Unknown	12.47	400 J	
	UNKNOWN C10H160	14.31	500 J	
-	UNKNOWN C10H18O	15.29	600 J	
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ANALYTICAL REPORT

To: Waste Management Kankakee Landfill 1300 Willow Road Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Friday June 9th, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

#### Tentatively Identified Compounds

		Retention	Estimated	
	Semivolatile Compound	Time	Concentration	
	UNKNOWN C10H160	15.63	200 J	
	Unknown	16.66	200 J	
	Unknown	17.27	300 J	
	Unknown	17.57	400 J	
	Unknown	18.19	300 J	
	Unknown	18.27	300 J	
	DIMETHYL BENZOIC ACID + UNK	18.86	400 J	
	Unknown	20.84	200 J	
	UNK SUBST. BENZOIC ACID	21.11	400 J	
	Unknown	28.89	600 JB	
<u> </u>				



WESTON-GUL. JOAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

To: Waste Management
Kankakee Landfill
1300 Willow Road
Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Wednesday June 21st, 1989

RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: 8906G843-002 Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

#### PESTICIDE/PCBs BY GC, PRIORITY POLLUTANT LIST

Compound	Result	Detection Limit	Flag	
A1pha-BHC	BDL	5.1	U	_
Beta-BHC	BDL	5.1	U	
Delta-BHC	BDL	5.1	U	
gamma-BHC (Lindane)	BDL	5.1	U	
Heptachlor	BDL	5.1	U	
Aldrin	BDL	5.1	U	
Heptachlor epoxide	BDL	5.1	U	
Endosulfan I	BDL	5.1	U	
Dieldrin	BDL	10	U	
4,4'-DDE	BDL	10	U	
Endrin	BDL	10	U	
Endosulfan II	BDL	10	U	
4,4'-DDD	BDL	10	U	
Endosulfan sulfate	BDL	10	U	
4,4'-DDT	BDL	10	U	
Methoxychlor	BDL	51	U	
Endrin aldehyde	BDL	10	U	



WESTON-GUL, JOAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

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ANALYTICAL REPORT

To: Waste Management Kankakee Landfill 1300 Willow Road Northbrook, IL 60062

Attn: Mr. Bob Lewis

Date: Wednesday June 21st, 1989

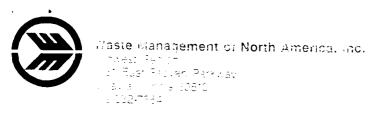
RE: Gas Condens. Leach.

Project # 3306-01-05-0005 Lab ID: **8906G843-002** Sample Date: 06/02/89 Date Received: 06/02/89

Units: UG/L

# PESTICIDE/PCBs BY GC, PRIORITY POLLUTANT LIST

	Compound	Result	Detection Limit	n Flag		
	alpha-Chlordane	BDL	51	U		
	gamma-Chlordane	BDL	51	U		
	Toxaphene	BDL	100	U		
	Aroclor-1016	BDL	51	U		
<u> </u>	Aroclor-1221	BDL	51	U	· · · · · · · · · · · · · · · · · · ·	
	Aroclor-1232	BDL	51	U		
	Aroclor-1242	BDL	51	Ü		
	Aroclor-1248	BDL	51	U		
	Aroclor-1254	BDL	100	U		
	Aroclor-1260	BDL	100	U		
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September 25, 1989

Mr. Tim Kluge, P.E.
Manager, Industrial Permits
Division of Water Pollution Control
Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, Illinois 62794-9276

4349-89 RECEIVED

SEP 29 1989

Environmental Protection Agency WPC—Permit Log In

RE: Kankakee Sanitary Landfill

Landfill Gas Condensate/Leachate Disposal

Dear Mr. Kluge:

This letter and its attachments is an application for permit to discharge landfill gas condensate and landfill gas condensate mixed with leachate from the above referenced facility to the Kankakee Metropolitan Wastewater Utility. This application consists of the following:

1. This letter, 1 page.

2. WPC Form PS-1, Application for Permit or Construction Approval, 2 pages.

3. Schedule N Waste Characteristics, Condensate, 18 pages, including attachments.

4. Schedule N Waste Characteristics, Condensate/Leachate Combo, 18 pages, including attachments.

The original and two (2) copies of this application are enclosed.

If there are any questions regarding this application, please do not hesitate to contact me.

Sincerely,

WASTE MANAGEMENT OF NORTH AMERICA, INC.

Christopher G. Rubak, P.E.

Environmental Management Department

Midwest Region

mustribu X.

cc: Tom Palzer, Kankakee Co. Reg. Plan. Comm. w/att Clayton Pape, Co. Health Admin. w/att Ray Nudi w/att

John McDonnell Rich DeYoung